

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	33	"6697665"	US-PGPUB; USPAT	OR	OFF	2009/01/12 16:54
S2	2	((HOI-YING) near2 (HOLMAN)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 17:00
S3	1	"20020164810"	US-PGPUB; USPAT	OR	OFF	2009/01/12 17:07
S4	50	("3327117"   "3327119"   "3461856"   "3647299"   "4213462"   "4290433"   "4449535"   "4479499"   "4515165"   "4556057"   "4641650"   "4718417"   "4737628"   "4758081"   "4768516"   "4894547"   "4930516"   "4975581"   "4981138"   "5115137"   "5261410"   "5293872"). PN. OR ("6697665").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 19:12
S5	170	"4913142"	US-PGPUB; USPAT	OR	OFF	2009/01/12 19:33
S6	2	((HOI-YING) near2 (HOLMAN)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/13 18:56
S7	2	(mid infrared light source\$1 and wavenumber\$1) and ( fiber optic\$4 catheter and reflect\$5 spectr\$4) and (catheter\$1 and fiber optic \$1 tip)	US-PGPUB; USPAT; USOCR	AND	OFF	2009/01/13 19:26
S8	0	cooling mean\$1 with invasive fiber optic catheter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:34
S9	0	cooling mean\$1 with fiber optic catheter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:34
S10	13	cooling mean\$1 with invasive fiber optic catheter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:34
S11	0	infrared spectroscop\$4 with bandwidth and special DC and AC cpoupl\$4 preamp\$5	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:38
S12	0	infrared spectroscop\$4 and bandwidth and special DC and AC cpoupl\$4 preamp\$5	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:38

S13	9	infrared spectroscop\$4 and bandwidth and special DC and AC coup\$4 preamp\$5	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:39
S14	4	mid infrared spectrophotmeter	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:52
S15	0	mid infrared spectrophotmeter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:58
S16	3	spectrophotmeter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:58
S17	0	infrared spectrophotmeter and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:58
S18	33	spectrophotmeter and receiv \$ light	US-PGPUB; USPAT	AND	OFF	2009/01/14 15:59
S19	17	infrared spectrophotmeter and receiv\$ light	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:00
S20	0	infrared spectrophotmeter and receiv\$ light and blood vessel\$1	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:12
S21	0	infrared spectrophotmeter and receiv\$5 light and blood vessel\$1	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:13
S22	2	infrared spectrophotmeter and patient	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:13
S23	7	light spectrophotmeter and blood	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:13
S24	15	light spectrophotmeter and vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:14
S25	6	light spectrophotmeter and tissue	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:19
S26	0	light reflect\$5 spectrophotmeter and artery	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:58
S27	0	light spectrophotmeter and artery	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:58
S28	2	light spectrophotmeter and arter\$4	US-PGPUB; USPAT	AND	OFF	2009/01/14 16:58
S29	927255	infrared spectrophotmeter and receiv\$5 light and blood vessel\$1	US-PGPUB; USPAT	OR	OFF	2009/01/14 16:59
S30	1088629	mid infrared spectrophotmeter and receiv \$5 light and blood vessel\$1	US-PGPUB; USPAT	OR	OFF	2009/01/14 16:59
S31	1064650	infrared spectrophotmeter and receiv\$5 light and catheter blood vessel\$1	US-PGPUB; USPAT	OR	OFF	2009/01/14 16:59
S32	0	mid infrared spectrophotmeter and blood vessel	US-PGPUB; USPAT	WITH	OFF	2009/01/14 17:00

S33	627472	(mid infrared reflectance spectrophotometer and receive \$5 light) and (fiber optic \$1 catheter with blood vessel \$1)	US-PGPUB; USPAT	OR	OFF	2009/01/14 17:01
S34	4319762	S33 and wave number \$1 "300" cm	US-PGPUB; USPAT	OR	OFF	2009/01/14 17:02
S35	18494	S33 and wave number \$1 "300" cm	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:03
S36	73	S35 and dc preamp	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:03
S37	2556	S35 and invasive	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:04
S38	2047	S37 and insert \$5	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:05
S39	1	S38 and cooling means \$1	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:05
S40	59750	spectrophotometer	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:06
S41	162	receive \$4 reflect \$ light with spectrophotometer and blood vessel	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:07
S42	547966	reflectance spectr \$4 and detector and bandwidth and DC gain	US-PGPUB; USPAT	OR	OFF	2009/01/14 17:53
S43	0	infrared spectrophotometer and receive \$5 light and blood vessel \$1	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:53
S44	574	reflectance spectr \$4 and detector and bandwidth and DC gain	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:53
S45	83	reflectance spectr \$4 and detector with bandwidth and DC gain	US-PGPUB; USPAT	AND	OFF	2009/01/14 17:53
S46	45	reflectance spectr \$4 and DC gain preamp	US-PGPUB; USPAT	AND	OFF	2009/01/14 18:01
S47	512419	preamp couple \$4 with dc gain	US-PGPUB; USPAT	OR	OFF	2009/01/14 18:05
S48	4	preamp couple \$4 with dc gain and light source spectrometer	US-PGPUB; USPAT	AND	OFF	2009/01/14 18:05
S49	0	catheter \$1 with light source \$1 emit \$5 wavenumber \$1 and mid IR spectr \$3 and blood vessel \$1 and compare \$4 reflectance \$1 normal tissue \$1 with marker \$1 atherosclerosis \$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:31

S50	0	catheter\$1 and light source\$1 emit\$5 wavenumber\$1 and mid infrared spectr\$3 and blood vessel\$1 and compar\$4 normal tissue\$1 with marker\$1 atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:32
S51	0	catheter\$1 and light source\$1 emit\$5 wavenumber\$1 and mid infrared spectr\$3 and blood vessel\$1 and compar\$4 normal tissue\$1 and marker\$1 atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:33
S52	0	catheter\$1 and light source\$1 wavenumber\$1 and mid infrared spectr\$3 and blood vessel\$1 and compar\$4 normal tissue\$1 and marker\$1 atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:33
S53	0	catheter\$1 and light source\$1 wavenumber\$1 and blood vessel\$1 and compar\$4 normal tissue\$1 and marker\$1 atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:34
S54	0	catheter\$1 and light source\$1 wavenumber\$1 and blood vessel\$1 and compar\$4 normal tissue\$1 and atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:34
S55	0	catheter\$1 and light source\$1 wavenumber\$1 and blood vessel\$1 and compar\$4 normal with atheroscler\$3	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:34
S56	15	catheter\$1 with light source\$1 with\$4 blood vessel\$1 and wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:36
S57	2	((HOI-YING) near2 (HOLMAN)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 16:39
S58	1	((HOI-YING) near2 (HOLMAN)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/11/18 16:40
S59	7	catheter\$1 with light source\$1 and blood vessel\$1 with wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:42
S60	7	catheter\$1 and light source\$1 and blood vessel\$1 with wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:42

S61	28	catheter\$1 and light source\$1 and blood vessel\$1 and wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT	AND	OFF	2009/11/18 16:42
S62	0	compar\$4 reflect\$4 spectr\$5 with normal tissue\$1 and slect44 wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/18 16:48
S63	0	compar\$4 reflect\$4 spectr\$5 with normal tissue\$1 and slect\$4 wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/18 16:48
S64	0	compar\$4 spectr\$5 with normal tissue\$1 and slect\$4 wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/18 16:48
S65	26	compar\$4 reflect\$4 spectr\$5 with normal tissue\$1 and select\$4 wavenumber\$1 and atheroscler\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2009/11/18 16:49

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